Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/06/2021 09:28 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 09:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124651	-1	1.25	124532	1.23
Blue	F	SSC	125000	122856	-2	2.74	123061	2.50
Blue	E	FITC	13131	12771	-3	2.27	295	15.68
Blue	D	PE	24112	23927	-1	1.66	547	11.14
Blue	B	PerCP-Cy5-5	31295	30570	-3	3.06	1016	14.29
Blue	A	PE-Cy7	19939	19629	-2	5.16	525	29.25
Red	C	APC	42122	41300	-2	2.97	1732	11.11
Red	A	APC-Cy7	22340	21579	-4	3.28	806	11.25
Violet	B	V450	7410	7058	-5	3.69	435	12.09
Violet	A	V500	28118	26719	-5	3.26	669	9.71

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23128	1.01	566	-3	N/A	N/A	Pass
Blue	F	SSC	57170	1.07	516	4	N/A	N/A	Pass
Blue	E	FITC	53	58.52	486	-1	0.0450	284	Pass
Blue	D	PE	116	37.97	489	1	0.3751	308	Pass
Blue	B	PerCP-Cy5-5	188	34.56	586	0	0.0203	33	Pass
Blue	A	PE-Cy7	105	68.12	628	0	0.0217	0	Pass
Red	C	APC	400	23.58	575	-1	0.0301	222	Pass
Red	A	APC-Cy7	181	27.05	548	-3	0.0070	1340	Pass
Violet	B	V450	61	60.31	455	2	0.0670	2318	Pass
Violet	A	V500	97	31.88	466	1	0.0259	521	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.97 - 71.95	N/A	N/A	-31.94	-31.59	1.04
Blue	20.35	16.28 - 24.42	1.28	1.02 - 1.52	0.00	0.00	1.42
Red	16.13	13.60 - 20.40	N/A	N/A	29.82	30.17	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 9682

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments